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FIG. 1A

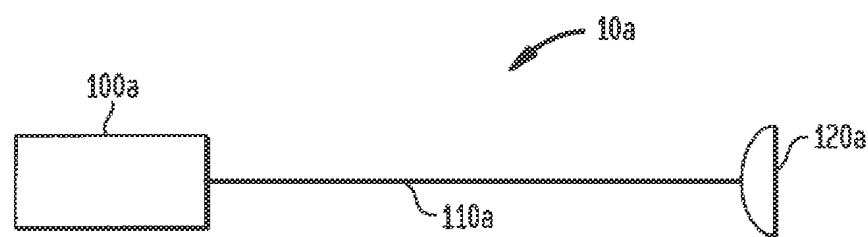


FIG. 1B

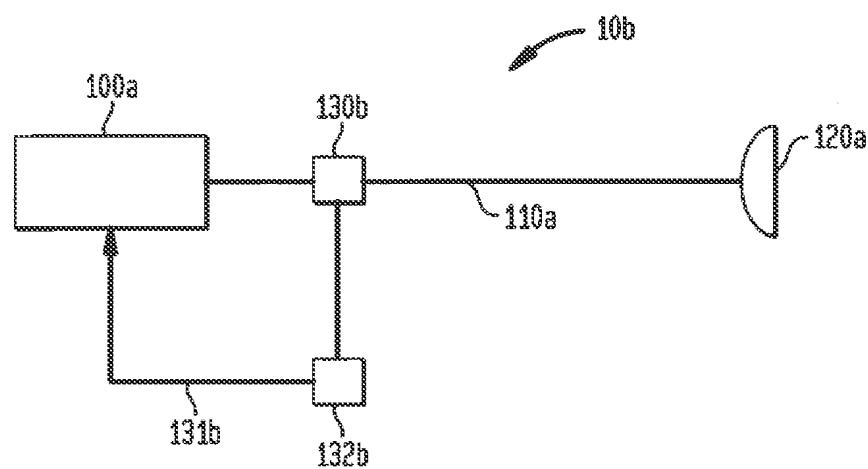


FIG. 2

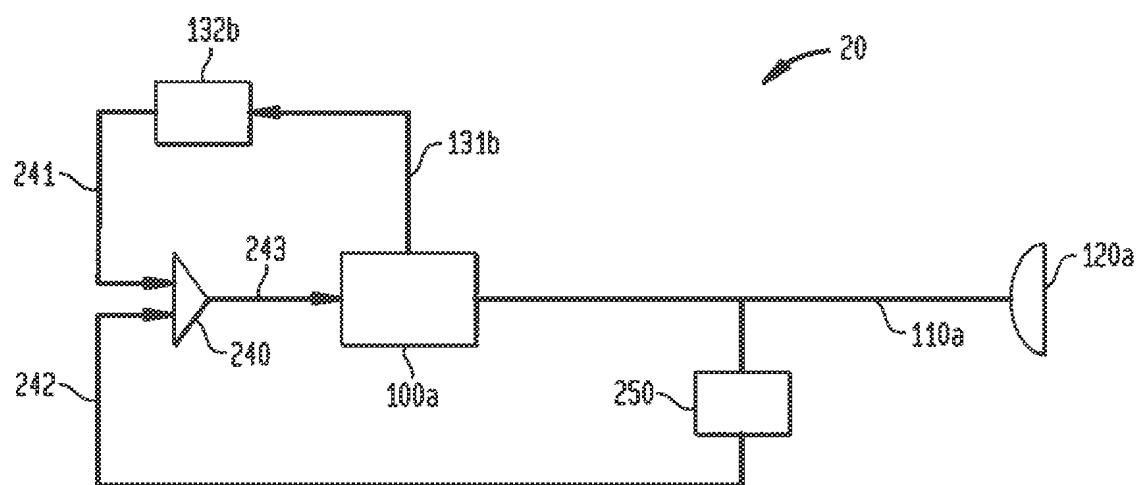
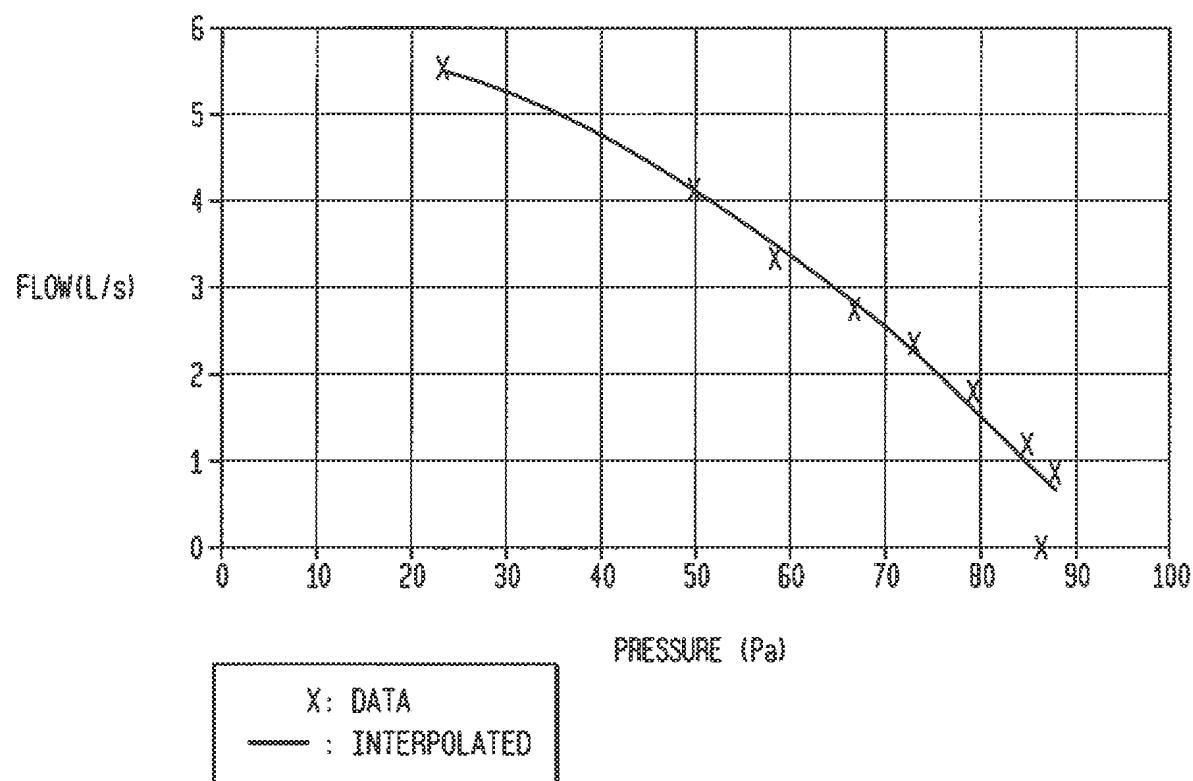
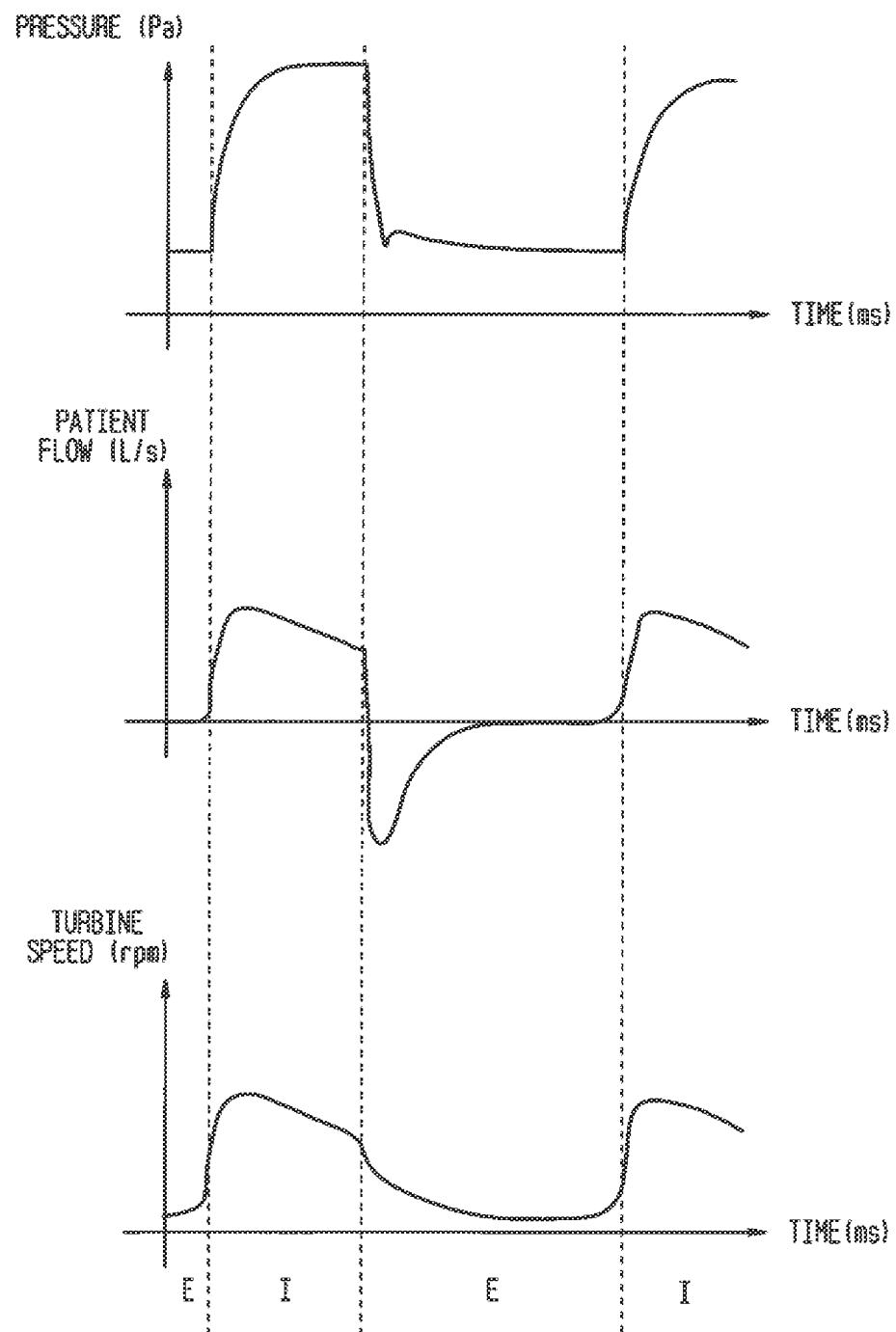


FIG. 3



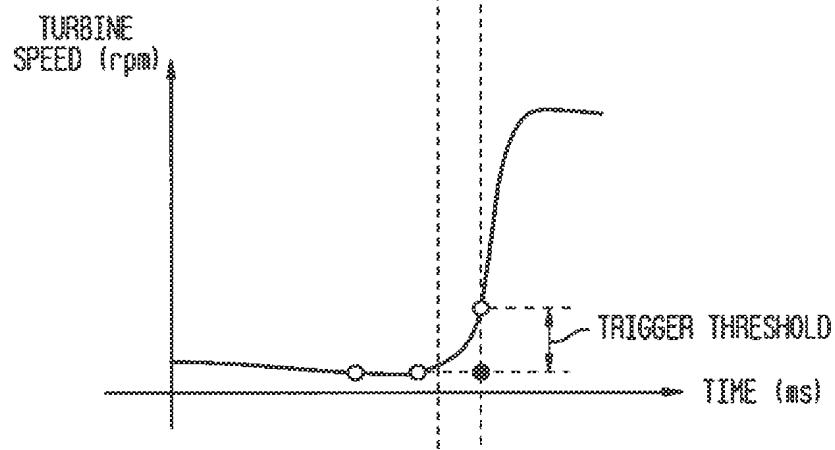
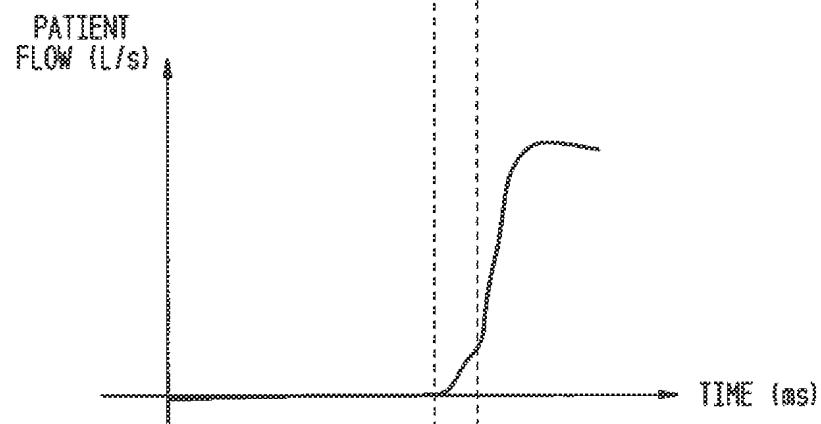
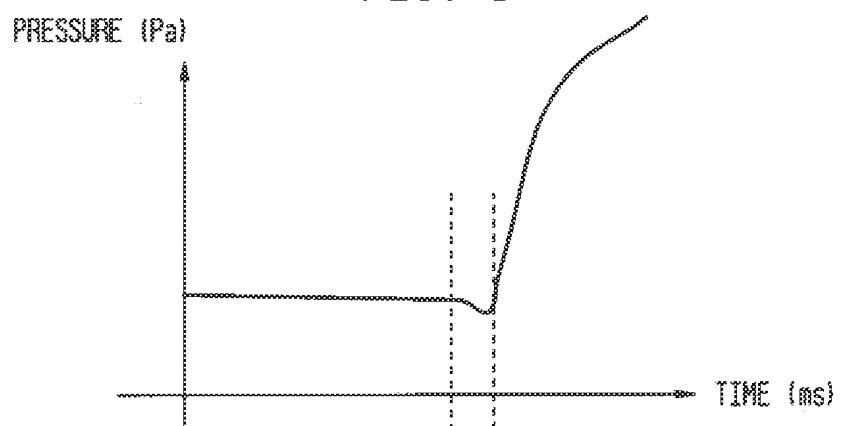
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FIG. 4



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FIG. 5

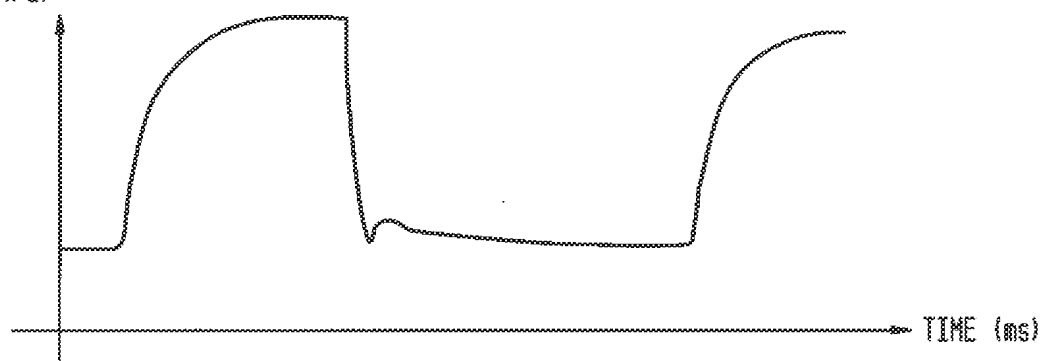


- THEORETICAL VALUE EVALUATION
- MEASURED VALUES

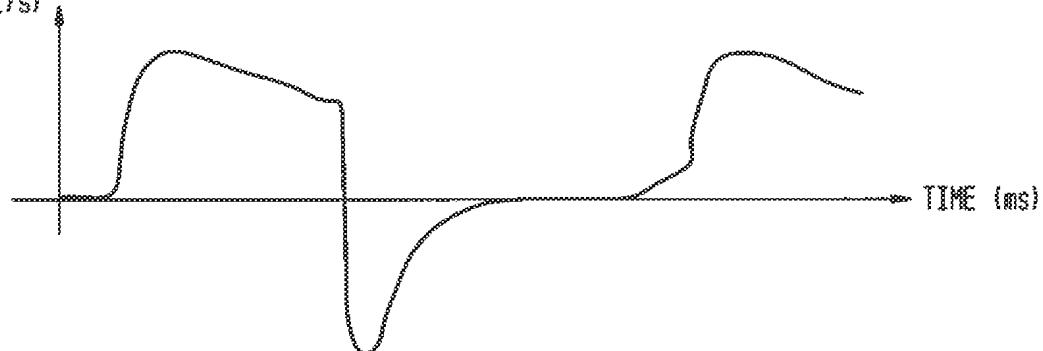
TRIGGERING OF INSPI CYCLE BY
FAST EFFORT DETECTION

FIG. 6

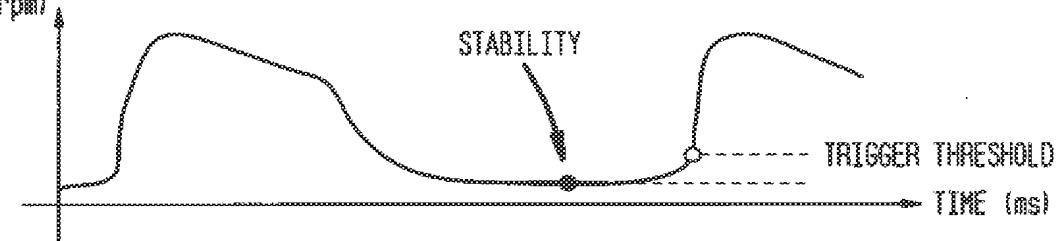
PRESSURE (Pa)



PATIENT FLOW (L/s)



TURBINE SPEED (rpm)

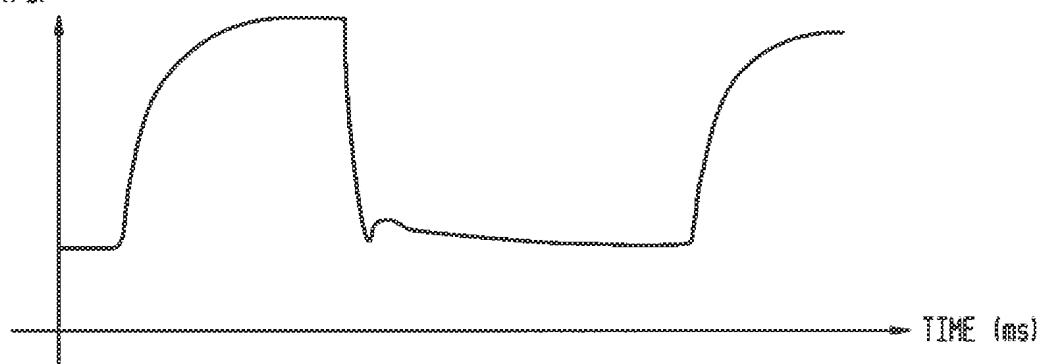
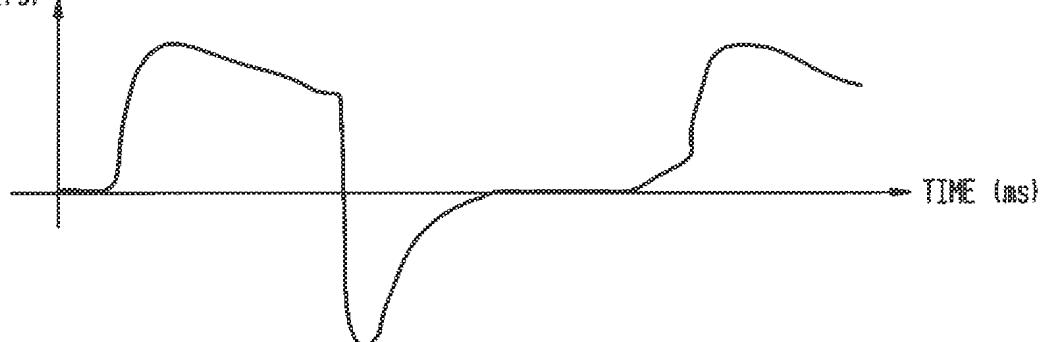
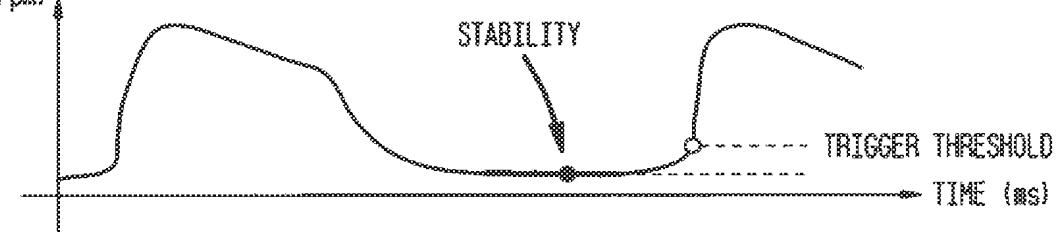


● MEMORISED VALUES
○ MEASURED VALUES

TRIGGERING OF INSPI CYCLE BY DETECTION
OF SUBSTANCIAL EFFORT AFTER STABILITY

FIG. 7

PRESSURE (Pa)

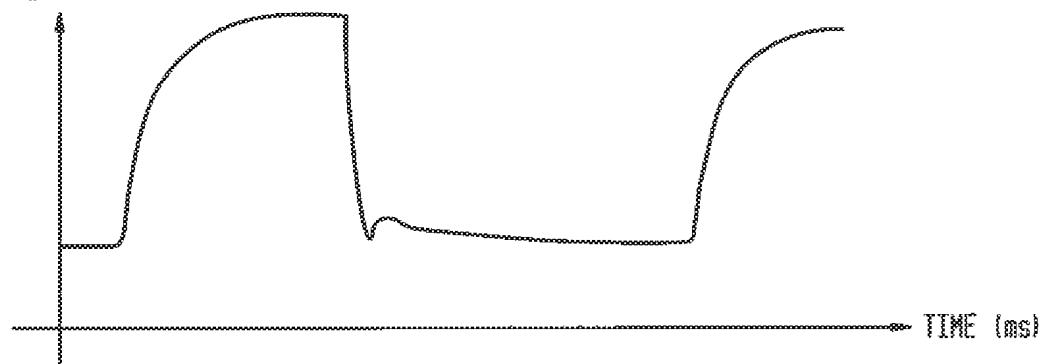
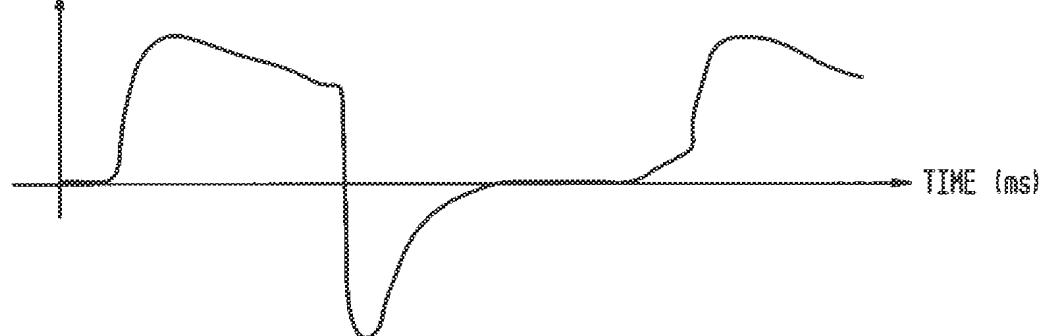
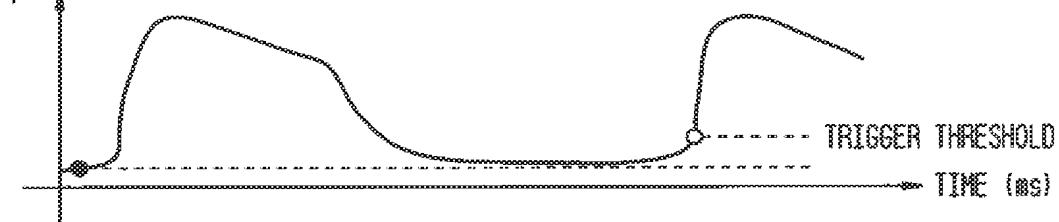
PATIENT
FLOW (L/s)TURBINE
SPEED (rpm)

- MEMORISED VALUES
- MEASURED VALUES

TRIGGERING OF INSPI CYCLE BY DETECTION
OF SUBSTANCIAL EFFORT AFTER PROLONGED STABILITY

FIG. 8

PRESSURE (Pa)

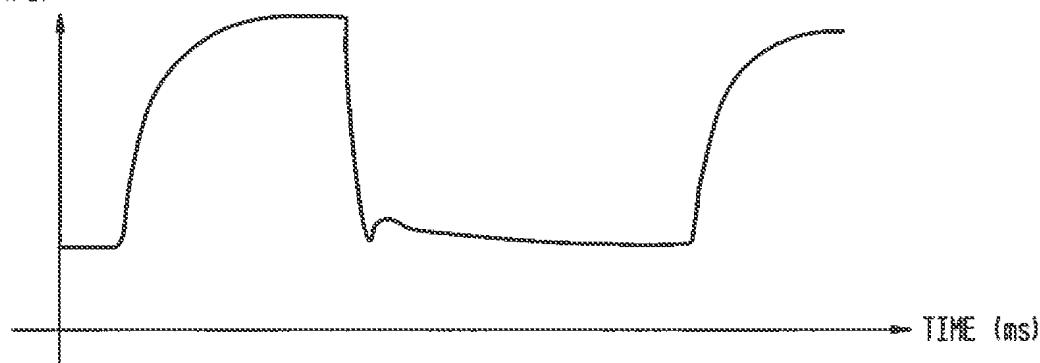
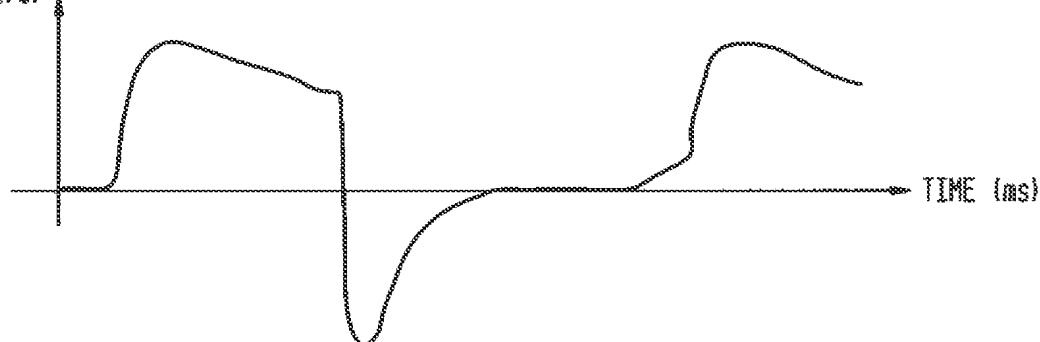
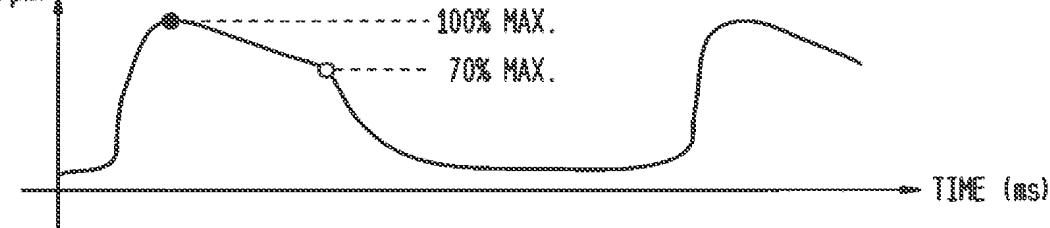
PATIENT
FLOW (L/s)TURBINE
SPEED (rpm)

- VALUES OF PRECEDING CYCLE
- MEASURED VALUES

TRIGGERING OF INSPIRATORY CYCLE BY CYCLE TO
CYCLE DETECTION OF EFFORT

FIG. 9

PRESSURE (Pa)

PATIENT
FLOW (L/s)TURBINE
SPEED (rpm)

TRIGGERING OF EXPIRATION CYCLE